

### Abstract of the Disclosure

The present invention provides a cheap optical connector having a simple construction without increasing bending loss and coupling loss of a multimode optical fiber fixedly inserted into e.g., an optical connector. The optical connector is constructed by fitting a receptacle connector and a plug connector. Connecting end face sides of multimode optical fibers are fixed to the plug connector. A light emitting element having a radiation numerical aperture larger than the numerical aperture of the multimode optical fiber, and a convergent lens for converging light emitted from the light emitting element so as to provide an incident numerical aperture smaller than the numerical aperture of the multimode optical fiber and making this light incident to the multimode optical fiber are arranged in the receptacle connector. A light receiving element is arranged side by side with the light emitting element, and the multimode optical fiber is optically connected to the light receiving element.